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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application:

Krames, Michael R.; Rudaz, Serge L.; Wierer Jr., Jonathan J.

Assignee:

LumiLeds Lighting U.S., LLC

Title:

Multi-Layer Highly Reflective Ohmic Contacts For Semiconductor

Devices

Serial No.:

09/469,652

Filing Date:

December 22, 1999

Examiner:

Chu, C.

Group Art Unit:

2815

Docket No.:

M-9197 US

San Jose, California November 20, 2001

BOX NON-FEE AMENDMENT COMMISSIONER FOR PATENTS Washington, D. C. 20231

## **RESPONSE TO OFFICE ACTION**

Dear Sir:

This responds to the October 3, 2001 Office Action. Please enter the following amendments.

## IN THE SPECIFICATION

Please replace the paragraph beginning at page 6, line 1, with the following replacement paragraph.

 $\mathcal{O}_{f}$ 

The present invention is a multi-layer contact that consists of multiple material layers providing high reflectivity, low specific contact resistance, and high reliability. Figure 1 shows a cross-sectional embodiment of a semiconductor device 10 with a multi-layer contact 12. The multi-layer contact 12 includes an ohmic layer 12A and a reflective layer 12B. In combination, the ohmic and reflective layers 12A, 12B form a highly reflective ohmic electrical contact to semiconductor structure 11. Various optoelectronic semiconductor structures 11 can be used with the multi-layer reflective contact layers 12. Symbol hv in Figure 1 designates the path of a photon reflected by multi-layer contact 12.

LAW OFFICES OF SKJERVEN MORRILL MACPHERSON LLA

25 METRO DRIVE SUITE 700 SAN JOSE, CA 95110 (408) 453-9200 FAX (408) 453-7979

Please replace the paragraph beginning at page 6, line 10 with the following replacement paragraph.

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Re:	Applicant(s):	Krames, Micha	el R.; Rudaz, Se	rge L.: V	Vierer Jr., J	onathan J.		<b>.</b>
	Assignee:	LumiLeds Ligh		-6,				6
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	(3) Response to Offi	ice Action (10 page	<i>.</i> 5).					
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